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A Carbone* (carbonea@unical.it), Dip. di Matematica, Universita della Calabria,
Dipartimento di Matematica, 87030 Arcavacata di Rende (Cosenza), Italy. *Maximal elements in
economics and applications.*

The existence of maximal elements in mathematical economics is very useful in the study of fixed point theory, variational inequalities, and best approximation theory. In this survey talk we will discuss a few results on maximal elements and give its applications in nonlinear analysis. (Received August 29, 2006)